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(FILE 'HOME' ENTERED AT 14:11:59 ON 30 AUG 2009)

FILE 'REGISTRY' ENTERED AT 14:12:15 ON 30 AUG 2009

L1 STRUCTURE UPLOADED
L2 STRUCTURE UPLOADED
L3 STRUCTURE UPLOADED
 D L1
 D L2
 D L3
L4 1728 SEA SSS FUL L2
L5 3751 SEA SSS FUL L3
L6 1276 SEA SUB=L4 SSS FUL L1
L7 1829 SEA SUB=L5 SSS FUL L1
L8 1145 SEA SUB=L5 SSS FUL L2

FILE 'ZCAPLUS' ENTERED AT 14:15:01 ON 30 AUG 2009

L9 4 SEA ABB=ON PLU=ON L6
L10 50 SEA ABB=ON PLU=ON L7
L11 11 SEA ABB=ON PLU=ON L8
L12 57 SEA ABB=ON PLU=ON L9 OR L10 OR L11
L13 4 SEA ABB=ON PLU=ON L9 AND L10 AND L11
L14 0 SEA ABB=ON PLU=ON L9 NOT L13
L15 46 SEA ABB=ON PLU=ON L10 NOT L13
L16 7 SEA ABB=ON PLU=ON L11 NOT L13
L17 53 SEA ABB=ON PLU=ON L12 NOT L13
L18 28 SEA ABB=ON PLU=ON L17 AND (PD<=20040421 OR PRD<=20040421)
L19 26 SEA ABB=ON PLU=ON L18 AND (PD<=20030422 OR PRD<=20030422)
L20 19 SEA ABB=ON PLU=ON L19 AND L10
L21 7 SEA ABB=ON PLU=ON L19 AND L11
 D L21 1-7 IBIB HITSTR
 D L20 1-19 IBIB HITSTR

FILE HOME

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 27 AUG 2009 HIGHEST RN 1176980-65-6

DICTIONARY FILE UPDATES: 27 AUG 2009 HIGHEST RN 1176980-65-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stdoc/properties.html>

FILE ZCAPLUS

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FILE COVERS 1907 - 30 Aug 2009 VOL 151 ISS 10
FILE LAST UPDATED: 28 Aug 2009 (20090828/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2009

ZCAplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

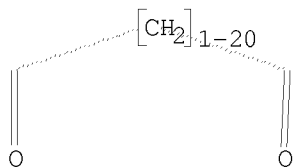
CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

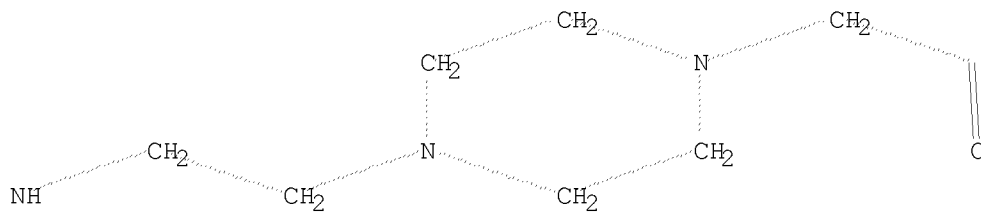
This file contains CAS Registry Numbers for easy and accurate substance identification.

The ALL, BIB, MAX, and STD display formats in the CA/CAplus family of databases have been updated to include new citing references information. This enhancement may impact record import into database management software. For additional information, refer to NEWS 9.

L1 STR



Structure attributes must be viewed using STN Express query preparation.
L2 STR



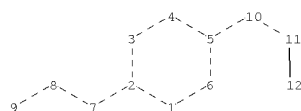
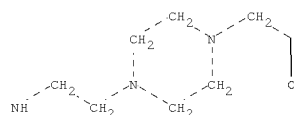
Structure attributes must be viewed using STN Express query preparation.

L3 STR

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

L4	1728	SEA FILE=REGISTRY	SSS FUL	L2	
L5	3751	SEA FILE=REGISTRY	SSS FUL	L3	
L6	1276	SEA FILE=REGISTRY	SUB=L4	SSS FUL	L1
L7	1829	SEA FILE=REGISTRY	SUB=L5	SSS FUL	L1
L8	1145	SEA FILE=REGISTRY	SUB=L5	SSS FUL	L2
L9	4	SEA FILE=ZCAPLUS	ABB=ON	PLU=ON	L6
L10	50	SEA FILE=ZCAPLUS	ABB=ON	PLU=ON	L7
L11	11	SEA FILE=ZCAPLUS	ABB=ON	PLU=ON	L8
L12	57	SEA FILE=ZCAPLUS	ABB=ON	PLU=ON	L9 OR L10 OR L11
L13	4	SEA FILE=ZCAPLUS	ABB=ON	PLU=ON	L9 AND L10 AND L11
L17	53	SEA FILE=ZCAPLUS	ABB=ON	PLU=ON	L12 NOT L13
L18	28	SEA FILE=ZCAPLUS	ABB=ON	PLU=ON	L17 AND (PD<=20040421 OR PRD<=20040421)
L19	26	SEA FILE=ZCAPLUS	ABB=ON	PLU=ON	L18 AND (PD<=20030422 OR PRD<=20030422)
L21	7	SEA FILE=ZCAPLUS	ABB=ON	PLU=ON	L19 AND L11



chain nodes :

7 8 9 10 11 12

ring nodes :

1 2 3 4 5 6

chain bonds :

2-7 5-10 7-8 8-9 10-11 11-12

ring bonds :

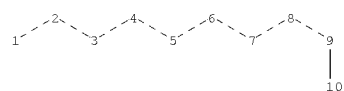
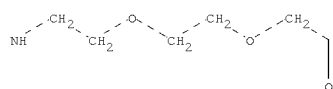
1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds :

1-2 1-6 2-3 2-7 3-4 4-5 5-6 5-10 7-8 8-9 10-11 11-12

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS 11:CLASS
12:CLASS



chain nodes :

1 2 3 4 5 6 7 8 9 10

chain bonds :

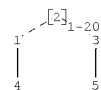
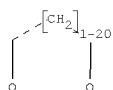
1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10

exact/norm bonds :

1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS



chain nodes :

1 2 3 4 5

chain bonds :

1-4 1-2 2-3 3-5

exact/norm bonds :

1-4 1-2 2-3 3-5

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS